**Section II: Schedule of Requirements**

eSourcing reference: ITB/2020/15056

1. **Summary of Requirements**

UNOPS requirements are comprised of the following:

* 7 units of X-Ray Systems - Explosive Ordnance Disposal (**XR-200**)

1. **Technical specifications for Goods and Comparative Data Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item No** | **UNOPS minimum technical requirements** | **Quantity** | **Is bid compliant?** Bidder to complete | **Details of goods offered.** Bidder to complete |
| 1 | X-Ray generator must be Golden Engineering pulse generator. | **7** | Yes  No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| X-ray generator must include 2 rechargeable batteries with battery charger. |  |  |
| X-ray system must be DR CSI and must support both wired and wireless operation. |  |  |
| System must include four high-definition DR panel: Approximate size 14” x 17”. |  |  |
| System Software must be able to remotely control all Golden Engineering Pulse generators and Teledyne Constant Potential generators. |  |  |
| Software system must include two year licensing. |  |  |
| System must have system software-controlled generator firing and sequencing programmed pulse, volley and delay interval capability. |  |  |
| DR Imager must have an operational kV Range of 40-400kV. |  |  |
| DR Imager must have an operational high Temp. Range of 150 degrees F sustained. |  |  |
| Must have wired and wireless controlled “Indefinite Timeframe Exposure Window”.  (Not Summing) |  |  |
| System must include Mosaic Auto-Stitch image stitching capability. |  |  |
| Must have software-controlled radio frequency capability and easily integrate with robotic platforms. |  |  |
| All components must be easily user interchangeable with other systems in the field to include Calibration files. |  |  |
| System must meet the Ingress Protection rating of IP65 (Panel at IP67) for dust, dirt, splash; and a 4-foot drop shock tolerance. \*(with no internal shock sensors) \* |  |  |
| System must have Short-Range Tactical and Long-Range modes of wireless operation and have real-time Wi-Fi visual signal strength monitoring and self-healing Wi-Fi connectivity. |  |  |
| DR Imager Panel must have Tungsten layer for Circuitry and Backscatter Protection. |  |  |
| System must support date and time stamps on each image shot and Photo collection capability. |  |  |
| Cold boot to first image is approximately 60-75 seconds with second exposure full cycle at approximately 8-12 seconds. |  |  |
| System operating software must have 3D capability. |  |  |
| DR Imager must have Auto Self Calibration capability and never require manual calibration. |  |  |
| System must have been evaluated and approved for AEODU (All Explosive Ordnance Disposal Use) by the Military Technical Acceptance Board, Naval Surface Weapons Center with written verification. |  |  |
| System must have Full color image analysis. |  |  |
| System must have Cyber testing certification. |  |  |
| Must have 24 hr. Customer Support and Repair capability. |  |  |
| All systems must be 220V. |  |  |
| The system must include ruggedized shipping case. |  |  |

1. **Delivery requirements and Comparative Data Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **UNOPS Requirements** | | **Is bid compliant?** Bidder to complete | **Details**  Bidder to complete |
| **Delivery time** | Bidder shall deliver the goods 15-17 weeks after Contract signature. | Yes  No | Insert details |
| **Delivery place and Incoterms rules** | Baghdad – DAP Incoterms rules as per Incoterms 2020 | Yes  No | Insert details |
| **Consignee details** | TBC | Yes  No | Insert details |
| **UNOPS Right to vary requirements** | At the time the Contract is awarded, UNOPS reserves the right to vary the quantity of the goods and associated services specified above, provided this does not exceed +/- [35%] , without any change in the unit prices or other terms and conditions of the ITB. | Yes  No | Insert details |

1. **Inspections and tests**

The following inspections and tests shall be performed prior shipping:

**The vendor must have the goods inspected in the manufacturer’s works by a competent authority and submit a test certificate and also a guarantee/warranty certificate that the goods conform to written specifications.**

If the goods fail to meet the laid down specifications, the supplier shall take immediate steps to remedy the deficiency or replace the defective goods to the satisfaction of the purchaser